

CLAIMS

1. (Currently amended) A remote printing server which receives data from a client computer via a local network and sends data over a global network so as to print the data on a remote printer which does not exist in the local network, comprising:

print response means for performing a print control protocol for a local printer in the local network so that the client computer can recognize said remote printing server as a local printer in the local network, receiving print data from the client computer and generating a print job for performing a response to the client computer for completing a print process when before the print data is printed spooled;

spooling means for spooling the print job generated data received by said print response means, informing the client computer of a completion of a print process in the local network before the print data is actually printed, and generating a print completion job;

transferring data conversion means for converting the print completion job generated data spooled by said spooling means into a format in which the job can be transferred to the remote printer over the global network using a predetermined transfer protocol; and

remote transfer means for transferring the print completion job data converted into a transferable format by said transferring data conversion means to the remote printer over the global network using the predetermined transfer protocol.

2. (Previously presented) The remote printing server according to claim 1, further comprising:

recovery means for performing a recovery process on the print completion job transferred by said remote transfer means as necessary.

3. (Previously presented) The remote printing server according to claim 1, further comprising:

selection means for selecting a transfer protocol for remote transfer of the data.

4. (Previously presented) The remote printing server according to claim 1, wherein

said remote transfer means uses a file transfer protocol or a mail distribution protocol.

5. (Previously presented) The remote printing server according to claim 1, further comprising:

encipher means for enciphering print completion job transferred by said remote transfer means.

6. (Previously presented) The remote printing server according to claim 1, further comprising:

transfer control means for controlling a transfer parameter setting file and said remote transfer means by referring to the transfer parameter setting file.

7. (Previously presented) A remote print system, comprising:

the remote printing server and the remote printer according to claim 1.

8. (Currently amended) A data processing method performed by a remote printing server for receiving data from a client computer via a local network and for sending data over a global network so as to print the data on a remote printer which does not exist in the local network, comprising:

a print response step of performing a print control protocol for a local printer in the local network so that the client computer can recognize said remote printing server as a local printer in the local network, receiving print data from the client computer and generating a print job for performing a response to the client computer for completing a print process when before the print data is printed spooled;

a spooling step of spooling the print job generated data received in said print response step, informing the client computer of a completion of a print process in the local network before the print data is actually printed, and generating a print completion job;

a transferring data conversion step of converting the print completion job generated data spooled in said spooling step into a format in which the job can be transferred to the remote printer over the global network using a predetermined transfer protocol; and

a remote transfer step of transferring the print completion job data converted into a transferrable format in said transferring data conversion step to the remote printer over the global network using the predetermined transfer protocol.

9. (Currently amended) A computer-readable storage medium storing a program used to direct a computer to use as a remote printing server for receiving data from a client

computer via a local network and for sending data over a global network so as to print the data on a remote printer which does not exist in the local network, comprising:

a print response step of performing a print control protocol for a local printer in the local network so that the client computer can recognize said remote printing server as a local printer in the local network, receiving print data from the client computer and ~~generating a print job for performing a response to the client computer for completing a print process when before the print data is printed spooled;~~

~~a spooling step of spooling the print job-generated data received in said print response step, informing the client computer of a completion of a print process in the local network before the print job is actually printed, and generating a print completion job;~~

~~a transferring data conversion step of converting the print completion job-generated data spooled in said spooling step into a format in which the job can be transferred to the remote printer over the global network using a predetermined transfer protocol; and~~

~~a remote transfer step of transferring the print completion job data converted into a transferrable format in said transferring data conversion step to the remote printer over the global network using the predetermined transfer protocol.~~

10. (Canceled).